

Zero Client TERA2 (V series)

Cost effective, ultra-secure
desktop virtualization

▶ 19CNV42K-B

19" class (19.0" measured diagonally)

▶ 23CAV42K-BL

23" class (23.0" measured diagonally)

▶ CBV42-B



HIGH PERFORMANCE VIRTUAL COMPUTING

LG's 19CNV42K-B, 23CAV42K-BL and CBV42-B utilize a Teradici® TERA 2 Chipset and VMware to deliver a powerful and secure virtual computing solution. Compared to a traditional desktop computing system, the V series allows advanced computing with greater security while reducing system-building and maintenance costs. LED backlight technology also provides a bright and clear display to facilitate a comfortable computing experience for daily office work and multimedia applications.

The LG Cloud Monitor (Zero Client) combined with a Teradici PCoIP Processor and VMware Software result in an innovative 'PCoIP Virtual Computing' solution.



Features

ULTRA SECURE

- PCoIP zero clients greatly reduces the risk of virus, spyware, and hacking because all the data, storage, and memory are stored at the central data center. The data never leaves the data center but only transmits pixels, making our zero clients suitable for security critical organizations such as financial firms
- Unique USB authorization provides enhanced security

ZERO CLIENT FLEXIBILITY

- Revolutionary Teradici PCoIP technology for high performance virtual computing
- Fully compatible with VMware View™ Virtual Desktop Environments
- Virtual computing via LAN/WAN - utilizes existing enterprise servers, workstations, and blade PCs
- Allow any user to easily utilize the latest OS and software installed on host

ECO-FRIENDLY COMPUTING

- Reduce computing system building, maintenance, and energy costs
- Low operational cost, high security, and desktop scalability - the ideal solution for IT organizations in healthcare, education, government, and other enterprise market sectors

LED BACKLIGHT

- LED backlight technology takes Full HD (23CAV42K-BL) to new heights with exceptional contrast ratios and brightness levels yet is very energy efficient

KEY FEATURES

- Tera2321 Processor
- Built-in speakers (1W x 2) provides true all in one solution
- Wide Viewing capabilities of IPS (23CAV42K-BL) technology with the superior picture quality of LED backlighting
- Six USB 2.0 inputs to offer various usage scene
- Upgraded usability with UPoE ready
- TAA Compliant

Zero Client TERA2

(V series)

Cost effective, ultra-secure
desktop virtualization

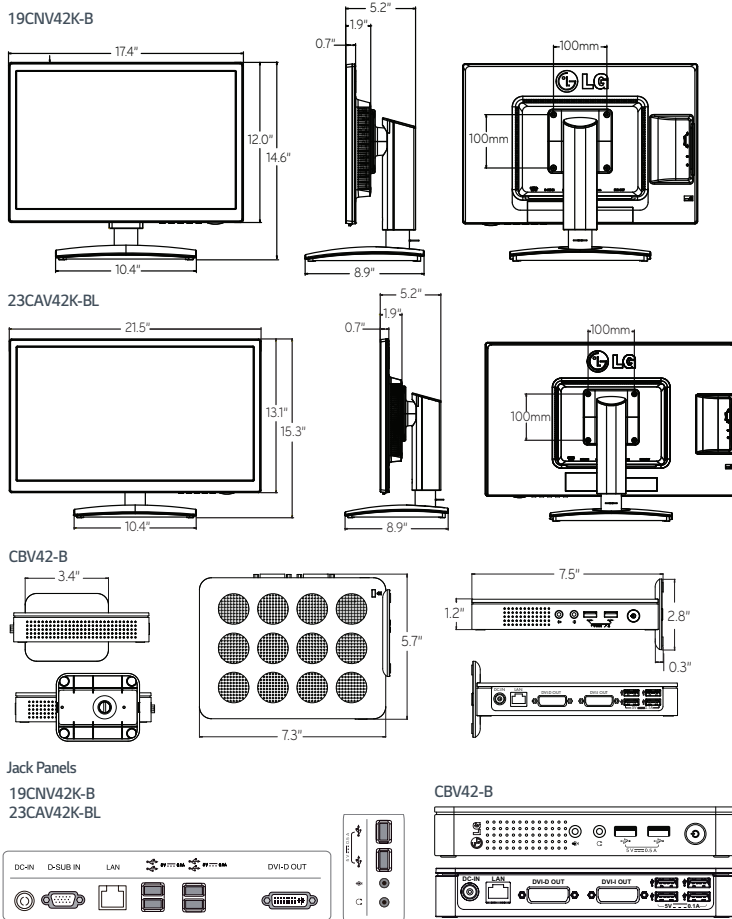
► 19CNV42K-B

19" class (19.0" measured diagonally)

► 23CAV42K-BL

23" class (23.0" measured diagonally)

► CBV42-B



PANEL	Model	19CNV42K-B	23CAV42K-BL	CBV42-B
TAA Compliant		Yes	Yes	No
Panel Size (measured diagonally)		19" (19.0")	23" (23.0")	N/A
Panel Type		TN	AH-IPS	
Processor		Teradici Tera2321 PCoIP Chip		
RAM		512MB		
Protocol		PCoIP		
Networking		10 / 100 / 1000		
Color Depth		16.7M		
Pixel Pitch(mm)		0.2835(H)×0.2835(V)	0.2652(H)×0.2652(V)	N/A
Aspect Ratio		16:10	16:9	
Resolution		1440 x 900	1920 x 1080	1920 x 1200 (DVI)
Brightness (Typ)		250 cd/m ²		
Contrast Ratio		1,000:1 (Typ) 5,000,000:1 (DFC)		
Response Time (on/off)		5ms	14ms (GTG)	
Viewing Angle (CR≥10)		170°/160°	178°/178°	
Surface Treatment		Non-Glare		

INPUT (SIGNAL)	Model	19CNV42K-B	23CAV42K-BL	CBV42-B
D-Sub		Yes		No
OUTPUT (SIGNAL)	DVI	Yes (Dual)		DVI-D, DVI-I
Others		10/100/1000	10/100/1000	10/100/1000
INTERACTIVE	USB 2.0	6 (4 Back, 2 Side)		
INPUT AUDIO	Mic In	Yes		
OUTPUT AUDIO	Headphone Out	Yes		
POWER	Type	Adapter (19V DC)		
	Input	100~240V		
	Normal On (Typ)	17W (D-Sub) 22W (Cloud)	24W (D-Sub) 29W (Cloud)	6W
	Power Save/Sleep Mode (Max)	0.5W(D-sub)/7W(Cloud)		N/A
	DC Off (Max)	0.5W(D-sub)/0.5W(Cloud)		0.5W
FREQUENCY	H-Frequency (Analog)	30~66kHz	30~68kHz	N/A
	V-Frequency (Digital)	57~63Hz		N/A
SPEAKER	Built-in Speaker	Yes (1W x 2)		N/A
SPECIAL FEATURES	IPS	N/A	Yes	N/A
	2.0 USB Input (6)	Yes		
	UPoE available with AUPoE* Adapter	Yes		
CABINET	Color	Black Hairline		Black Texture
	Set (with Stand) (WxHxD)	17.4" x 14.6" x 8.9"	21.5" x 15.3" x 8.9"	7.5" x 5.7" x 2.8"
	Weight	10.0 lbs.	12.3 lbs.	1.5 lbs.
	Set (without Stand) (WxHxD)	17.4" x 12.0" x 1.9"	21.5" x 13.1" x 1.9"	7.3" x 5.7" x 1.2"
	Weight	5.1 lbs.	7.4 lbs.	1.5 lbs.
	Box (WxHxD)	20.0" x 14.7" x 8.2"	24.3" x 15.9" x 7.8"	10.5" x 7.8" x 6.1"
	Weight	13.2 lbs.	16.3 lbs.	2.9 lbs.
	VESA Standard Mount Interface	100mm x 100mm		Yes
	Stand	Base detachable, Tilt (Yes / -5° (front) ~ 15° (rear)), Swivel (90°), Height (130mm), Pivot		Base detachable
STANDARD CERTIFICATION	UL(cUL)	Yes		
	TUV-Type	Yes		No
	FCC-B, CE	Yes		
	RoHS	Yes		
WARRANTY		3-Year Limited Warranty (Parts/Labor/Backlight)		
UPC		7 19192 19161 7	7 19192 19162 4	7 19192 19183 9
ACCESSORIES	Power Cord	Yes		
	D-Sub	Yes		No

*AUPoE sold separately



LGsolutions.com

LG Electronics USA, Inc.
HE B2B Division
2000 Millbrook Drive
Lincolnshire, IL 60069

Contact your LG Regional Sales Representative:
Education Computing Experts: 800.897.8788

SPEC_CNV42K_CAV42K_CBV42B_071336_PR



Screen images are simulated. Dimensions and weights are approximate. Design, features and specifications subject to change without notice.

© Copyright 2013 LG Electronics USA, Inc. All Rights Reserved. "LG Life's Good" is a registered trademark of LG Corp. f-Engine is a trademark of LG Electronics, Inc. PCoIP and PC-over-IP are registered trademarks of Teradici Corporation in the United States and/or other countries. VESA is a trademark of Video Electronics Standards Association. All other product and brand names are trademarks or registered trademarks of their respective companies.

Printed in the USA. October 2013